

REMARKS

Claims 1-16 are all the claims pending in the application.

Claims 1-16 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Venkitaraman et al. (US Patent Application Publication No. 2003/0161287 B2) in view of Ueno (US Patent Application Publication No. 2002/0126665 A1) further in view of Saito (US Patent Application Publication No. 2002/0105956 A1) further in view of Ono et al. (US Patent Application Publication No. 2003/0093560 A1).

Applicants amend independent claim 1 as follows, and support for the amendment can be found at least at paragraphs [49] and [63] of the specification.

1. (currently amended): A wireless local area network system, comprising:

a gateway performing functions of a home agent in a mobile wireless communication environment and sending prefix information; and

one or more access points, each access point allocating an Internet Protocol (IP) address to a mobile host in a management range thereof by using the prefix information of the gateway,

wherein said each access point produces and sends a Binding Update list corresponding to the mobile host to the gateway,

wherein when said mobile host moves into a range of a different access point associated with a new access router, said mobile host retains the prefix information of the gateway,

wherein the new access router generates an access router advertisement based on a prefix advertisement message received from the gateway and sends the generated access router advertisement message to said different access point, wherein said different access point extracts the prefix information of the gateway based on the access router advertisement message and transfers the extracted prefix information to the mobile host;

wherein the mobile host receives the prefix information of the gateway and retains the received prefix information,

wherein the mobile hosts in all the networks controlled by the gateway each have the same prefix in addition to a mobile host ID, that is, a MAC address, and

wherein said access point generates a unique IP address for each mobile host in all the networks controlled by the gateway by combining the prefix information received from the gateway with the mobile host ID received from the mobile host.

On page 6 of the Office Action, the Examiner has admitted 'Venkitaraman and Ueno do not expressly disclose respective mobile hosts in networks controlled by the gateway have a same prefix in addition to mobile host ID,' but has alleged that the above feature is disclosed in Saito. However, Saito does not disclose that respective mobile hosts in networks controlled by the gateway have a same prefix in addition to mobile host ID.

With respect to Saito, the Examiner appears to cite Figure 1 of Saito as disclosing the feature 'respective mobile hosts in networks controlled by the gateway have a same prefix in

addition to mobile host ID' as recited in claim 1. However, Saito discloses 'the network prefix indicates a subnetwork to which a node is connected (for example, any of subnetworks 9-1 through 9-7 and radio subnetworks 7-1 through 7-4 shown in Figure 1), and is used to send a packet to the node' in paragraph [0055] with reference to Figure 1. That is, referring to paragraph [0055] of Saito, since the network prefix indicates a subnetwork to which a node is connected, the network prefix is varied for each subnetwork. Therefore, Saito fails to teach or suggest the feature that the mobile hosts have the same prefix in the networks controlled by the gateway as recited in claim 1 of the present invention, and merely discloses that the prefix is varied for each subnetwork.

In addition, with respect to Saito, the Examiner cites Figure 9, step 13 of Saito as disclosing the feature of 'respective mobile hosts in networks controlled by the gateway have a same prefix in addition to mobile host ID' as recited in claim 1. However, Saito merely discloses 'acquired network prefix identical to network prefix of previously connected network' at step 13 of Figure 9. This means that the network prefix may not be the same due to the change of the network. Therefore, Saito fails to teach or suggest the feature that the mobile hosts have the same prefix as recited in claim 1, and merely discloses that the prefix is varied whenever the network is changed.

Moreover, with respect to Saito, the Examiner cites Figure 2 of Saito as disclosing the feature 'respective mobile hosts in networks controlled by the gateway have a same prefix in addition to mobile host ID'. However, Saito discloses 'The IP V6 address is constructed of 128 bits as shown in Figure 2. The most significant 64 bits of the IP V6 address are referred to as a

network prefix, and the least significant 64 bits thereof are referred to as a terminal identifier (Interface ID)' in paragraph [0053] with reference to Figure 2. That is, referring to paragraph [0053] of Saito, IP V6 address is constructed of a network prefix and a terminal identifier. In addition, since the network prefix may be varied for each subnetwork, the IP V6 address is also varied for each subnetwork. Therefore, Saito fails to teach or suggest the feature of generating a unique IP address for each mobile host in all the networks controlled by the gateway as recited in claim 1, and merely discloses generating a unique IP address which is capable of being varied for a subnetwork.

Accordingly, Venkitaraman, Ueno, Saito and Ono, alone or in combination, fail to disclose or fairly suggest each and every feature of claim 1. Therefore, claim 1 should be patentable for at least this reason and claims 2-9 are patentable at least by virtue of their dependency on claim 1.

Claim 10 is directed to a method and recites features similar to claim 1. Accordingly, claim 10 should be patentable over Venkitaraman, Ueno, Saito and Ono for reasons similar to those submitted for claim 1. Therefore, claim 10 should be patentable for at least this reason and claims 11-16 are patentable at least by virtue of their dependency on claim 10.

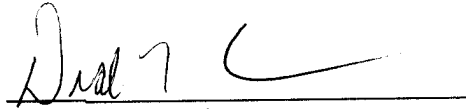
In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

AMENDMENT UNDER 37 C.F.R. § 1.111
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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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